

Table R-8: 1995 Key Source Tier 1 Analysis - Level Assessment

IPCC Source Categories	Direct Greenhouse Gas	Base Year Estimate (Tg CO <sub>2</sub> Eq.)	Current Year Estimate (Tg CO <sub>2</sub> Eq.)	Level Assessment	Cumulative Total
CO <sub>2</sub> Emissions from Stationary Combustion - Coal	CO <sub>2</sub>	1,697.29	1,805.85	0.28	0.28
Mobile Combustion: Road & Other	CO <sub>2</sub>	1,244.98	1,354.70	0.21	0.49
CO <sub>2</sub> Emissions from Stationary Combustion - Gas	CO <sub>2</sub>	976.63	1,134.43	0.17	0.66
CO <sub>2</sub> Emissions from Stationary Combustion - Oil	CO <sub>2</sub>	669.99	623.10	0.10	0.75
CH <sub>4</sub> Emissions from Solid Waste Disposal Sites	CH <sub>4</sub>	212.07	216.09	0.03	0.79
Direct N <sub>2</sub> O Emissions from Agricultural Soils	N <sub>2</sub> O	193.71	205.09	0.03	0.82
Mobile Combustion: Aviation	CO <sub>2</sub>	176.88	171.45	0.03	0.85
Fugitive Emissions from Natural Gas Operations	CH <sub>4</sub>	122.01	127.24	0.02	0.87
CH <sub>4</sub> Emissions from Enteric Fermentation in Domestic Livestock	CH <sub>4</sub>	117.85	122.96	0.02	0.88
Indirect N <sub>2</sub> O Emissions from Nitrogen Used in Agriculture	N <sub>2</sub> O	73.83	78.97	0.01	0.90
CO <sub>2</sub> Emissions from Iron and Steel Production	CO <sub>2</sub>	85.41	74.36	0.01	0.91
Fugitive Emissions from Coal Mining and Handling	CH <sub>4</sub>	87.12	73.54	0.01	0.92
Mobile Combustion: Road & Other	N <sub>2</sub> O	48.56	58.80	0.01	0.93
Mobile Combustion: Marine	CO <sub>2</sub>	48.60	51.66	0.01	0.94
CO <sub>2</sub> Emissions from Cement Production	CO <sub>2</sub>	33.28	36.85	0.01	0.94
CH <sub>4</sub> Emissions from Manure Management	CH <sub>4</sub>	31.28	36.19	0.01	0.95
SF <sub>6</sub> Emissions from Electrical Equipment	SF <sub>6</sub>	32.10	27.48	<0.01	0.95
HFC-23 Emissions from HCFC-22 Manufacture	HFCs	34.98	27.03	<0.01	0.96
CH <sub>4</sub> Emissions from Wastewater Handling	CH <sub>4</sub>	24.08	26.60	<0.01	0.96
Fugitive Emissions from Oil Operations	CH <sub>4</sub>	27.49	24.21	<0.01	0.96
Emissions from Substitutes for Ozone Depleting Substances	Several	0.94	21.69	<0.01	0.97
CO <sub>2</sub> Emissions from Ammonia Production and Urea Application	CO <sub>2</sub>	19.31	20.45	<0.01	0.97
N <sub>2</sub> O Emissions from Nitric Acid Production	N <sub>2</sub> O	17.85	19.89	<0.01	0.97
CO <sub>2</sub> Emissions from Waste Incineration	CO <sub>2</sub>	14.07	18.47	<0.01	0.98
N <sub>2</sub> O Emissions from Adipic Acid Production	N <sub>2</sub> O	15.20	17.21	<0.01	0.98
N <sub>2</sub> O Emissions from Manure Management	N <sub>2</sub> O	16.18	16.55	<0.01	0.98
N <sub>2</sub> O Emissions from Wastewater Handling	N <sub>2</sub> O	12.71	13.94	<0.01	0.98
Non-CO <sub>2</sub> Emissions from Stationary Combustion	N <sub>2</sub> O	12.52	13.22	<0.01	0.99
CO <sub>2</sub> Emissions from Lime Production	CO <sub>2</sub>	11.24	12.80	<0.01	0.99
PFC Emissions from Aluminum Production	PFCs	18.11	11.81	<0.01	0.99
CO <sub>2</sub> Emissions from Natural Gas Flaring	CO <sub>2</sub>	5.51	8.73	<0.01	0.99
Non-CO <sub>2</sub> Emissions from Stationary Combustion	CH <sub>4</sub>	8.14	8.53	<0.01	0.99
CH <sub>4</sub> Emissions from Rice Production	CH <sub>4</sub>	7.12	7.62	<0.01	0.99
CO <sub>2</sub> Emissions from Limestone and Dolomite Use	CO <sub>2</sub>	5.47	7.04	<0.01	0.99
PFC, HFC, and SF <sub>6</sub> Emissions from Semiconductor Manufacture	SF <sub>6</sub>	2.86	5.90	<0.01	0.99
SF <sub>6</sub> Emissions from Magnesium Production	SF <sub>6</sub>	5.37	5.57	<0.01	1.00

CO <sub>2</sub> Emissions from Aluminum Production	CO <sub>2</sub>	6.31	5.27	<0.01	1.00
Mobile Combustion: Road & Other	CH <sub>4</sub>	4.73	4.64	<0.01	1.00
N <sub>2</sub> O Emissions from N <sub>2</sub> O Product Usage	N <sub>2</sub> O	4.30	4.48	<0.01	1.00
CO <sub>2</sub> Emissions from Soda Ash Manufacture and Consumption	CO <sub>2</sub>	4.14	4.30	<0.01	1.00
CO <sub>2</sub> Emissions from Ferroalloys	CO <sub>2</sub>	1.98	1.87	<0.01	1.00
CO <sub>2</sub> Emissions from Titanium Dioxide Production	CO <sub>2</sub>	1.31	1.67	<0.01	1.00
Mobile Combustion: Aviation	N <sub>2</sub> O	1.71	1.67	<0.01	1.00
CH <sub>4</sub> Emissions from Petrochemical Production	CH <sub>4</sub>	1.17	1.51	<0.01	1.00
CO <sub>2</sub> Emissions from CO <sub>2</sub> Consumption	CO <sub>2</sub>	0.90	1.09	<0.01	1.00
CH <sub>4</sub> Emissions from Agricultural Residue Burning	CH <sub>4</sub>	0.68	0.66	<0.01	1.00
Mobile Combustion: Marine	N <sub>2</sub> O	0.36	0.46	<0.01	1.00
N <sub>2</sub> O Emissions from Agricultural Residue Burning	N <sub>2</sub> O	0.37	0.38	<0.01	1.00
CO <sub>2</sub> Emissions from Stationary Combustion	-CO <sub>2</sub>	0.40	0.37	<0.01	1.00
Geothermal Energy					
N <sub>2</sub> O Emissions from Waste Incineration	N <sub>2</sub> O	0.29	0.28	<0.01	1.00
Mobile Combustion: Aviation	CH <sub>4</sub>	0.16	0.15	<0.01	1.00
Mobile Combustion: Marine	CH <sub>4</sub>	0.07	0.09	<0.01	1.00
CH <sub>4</sub> Emissions from Silicon Carbide Production	CH <sub>4</sub>	0.03	0.02	<0.01	1.00
<b>TOTAL</b>		<b>6,139.64</b>	<b>6,514.90</b>	<b>1.00</b>	

Note: Sinks (e.g., LUCF, Landfill Carbon Storage) are not included in this analysis.